

5646

WA



PCT09

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/936,869

DATE: 05/02/2002

TIME: 14:20:47

Input Set : A:\256351.txt

Output Set: N:\CRF3\05022002\I936869.raw

P.6

3 <110> APPLICANT: Carter Holt Harvey Limited  
 4 Fletcher Challenge Forests Limited  
 5 Michigan Technological University  
 6 Podila, Gopi Krishna  
 7 Liu, Jun-Jun  
 8 Karnosky, David F  
 10 <120> TITLE OF INVENTION: Plants Having Modified Reproductive Activity  
 12 <130> FILE REFERENCE: 25635 MRB  
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/936,869  
 C--> 15 <141> CURRENT FILING DATE: 2002-03-29  
 17 <150> PRIOR APPLICATION NUMBER: NZ334715  
 18 <151> PRIOR FILING DATE: 1999-03-17  
 20 <160> NUMBER OF SEQ ID NOS: 17  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
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 27 <213> ORGANISM: Pinus radiata  
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 32 ctgctcaggt acattagttt ggtaagggtt gcttgccttc tggtaatat gagaagtaaa 180  
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 34 ggcttgggtt cgtgtgagaa gccaacaatt tataagaaat atataaaata aaaaataaaaa 300  
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Input Set : A:\256351.txt  
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93 <222> LOCATION: (1)..(669)
94 <223> OTHER INFORMATION: Pinus radiata MADS box protein mRNA, complete cds
96 <300> PUBLICATION INFORMATION:
97 <301> AUTHORS: Jun-Jun, Liu
98 Podila, G K.
99 <302> TITLE: Not applicable
100 <303> JOURNAL: Direct submission
101 <304> VOLUME: -
102 <305> ISSUE: -
103 <306> PAGES: ---
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106 <309> DATABASE ENTRY DATE: 1999-01-26
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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/936,869

DATE: 05/02/2002  
TIME: 14:20:48

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Output Set: N:\CRF3\05022002\I936869.raw

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115	Arg	Gln	Val	Thr	Phe	Cys	Lys	Arg	Arg	Asn	Gly	Leu	Leu	Lys	Lys	Ala	
116					20				25						30		
118	tat	gaa	tta	tca	gtt	ctt	tgt	gat	gca	gaa	gtg	gcc	ctc	atc	gtc	ttc	144
119	Tyr	Glu	Leu	Ser	Val	Leu	Cys	Asp	Ala	Glu	Val	Ala	Leu	Ile	Val	Phe	
120					35				40						45		
122	tcc	agc	aga	ggg	aga	ctt	tat	gaa	ttt	gcc	aac	cac	agc	gtg	aag	agg	192
123	Ser	Ser	Arg	Gly	Arg	Leu	Tyr	Glu	Phe	Ala	Asn	His	Ser	Val	Lys	Arg	
124					50				55						60		
126	acg	att	gag	agg	tac	aag	aag	act	tgc	gtt	gac	aac	aac	cac	gga	ggg	240
127	Thr	Ile	Glu	Arg	Tyr	Lys	Lys	Thr	Cys	Val	Asp	Asn	Asn	His	Gly	Gly	
128					65				70						75	80	
130	gcg	ata	tca	gag	tcc	aat	tct	cag	tat	tgg	caa	cag	gag	gct	ggt	aaa	288
131	Ala	Ile	Ser	Glu	Ser	Asn	Ser	Gln	Tyr	Trp	Gln	Gln	Glu	Ala	Gly	Lys	
132					85				90						95		
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135	Leu	Arg	Gln	Gln	Ile	Asp	Ile	Leu	Gln	Asn	Ala	Asn	Arg	His	Leu	Met	
136					100				105						110		
138	ggt	gac	ggg	ctt	aca	gct	ttg	aac	att	aag	gaa	ctc	aag	caa	ctt	gag	384
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142	gtt	cga	ctt	gaa	aaa	gga	atc	agc	cga	gtg	cga	tcc	aaa	aag	aac	gag	432
143	Val	Arg	Leu	Glu	Lys	Gly	Ile	Ser	Arg	Val	Arg	Ser	Lys	Lys	Asn	Glu	
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151	Ile	Gln	Glu	Asn	Glu	Ile	Leu	Arg	Ser	Lys	Ile	Ala	Glu	Cys	Gln	Asn	
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154	agc	cac	aac	acg	aac	atg	tta	tca	gct	ccg	gaa	tat	gat	gca	ctg	ccc	576
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166	acgttgaagc	ggtgtgacgct	taaaaactcaa	tcaaggcacc	cgaaaaatat	gctagtaacc											729
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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/936,869

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Output Set: N:\CRF3\05022002\I936869.raw

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190 65 70 75 80  
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192 85 90 95  
193 Leu Arg Gln Gln Ile Asp Ile Leu Gln Asn Ala Asn Arg His Leu Met  
194 100 105 110  
195 Gly Asp Gly Leu Thr Ala Leu Asn Ile Lys Glu Leu Lys Gln Leu Glu  
196 115 120 125  
197 Val Arg Leu Glu Lys Gly Ile Ser Arg Val Arg Ser Lys Lys Asn Glu  
198 130 135 140  
199 Met Leu Leu Glu Glu Ile Asp Ile Met Gln Arg Arg Glu His Ile Leu  
200 145 150 155 160  
201 Ile Gln Glu Asn Glu Ile Leu Arg Ser Lys Ile Ala Glu Cys Gln Asn  
202 165 170 175  
203 Ser His Asn Thr Asn Met Leu Ser Ala Pro Glu Tyr Asp Ala Leu Pro  
204 180 185 190  
205 Ala Phe Asp Ser Arg Asn Phe Leu His Ala Asn Leu Ile Asp Ala Ala  
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219 <222> LOCATION: (16)..(795)  
220 <223> OTHER INFORMATION: Arabidopsis thaliana ribonuclease (RNS2) mRNA,  
221 complete cds  
223 <300> PUBLICATION INFORMATION:  
224 <301> AUTHORS: Taylor, C B.  
225 Bariola, P A.  
226 delCardayre, S B.  
227 Raines, R T.  
228 Green, P J.  
229 <302> TITLE: RNS2: a senescence-associated RNase of Arabidopsis that  
230 diverged from the S-RNases before speciation  
231 <303> JOURNAL: Proc. Natl. Acad. Sci. U.S.A.  
232 <304> VOLUME: 90  
233 <305> ISSUE: 11

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 263 80 85 90  
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 267 95 100 105  
 269 agt ctc agt tgt ggt tct cca tca tca tgc aat ggt ggg aaa ggg tca 387  
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 287 175 180 185  
 289 gca ttt cat atc acc cct gaa gtg gtt tgc aaa aga gat gca atc gat 627  
 290 Ala Phe His Ile Thr Pro Glu Val Val Cys Lys Arg Asp Ala Ile Asp  
 291 190 195 200  
 293 gaa ata cgt ata tgc ttc tat aaa gat ttt aag ccc agg gac tgt gtt 675  
 294 Glu Ile Arg Ile Cys Phe Tyr Lys Asp Phe Lys Pro Arg Asp Cys Val  
 295 205 210 215 220  
 297 ggt tca caa gat ttg aca tct aga aag tca tgc ccc aag tac gta agt 723

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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